



# American International University-Bangladesh (AIUB)

Department of Computer Science

Faculty of Science & Technology (FST)

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Section: A

Software Quality Assurance and Testing

## Dream House

A Report submitted  
By

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Sign:

Date:

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# Software Test Plan

for

<Dream House>

Version 1.0 approved

Prepared by

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## Revision History

Revision	Date	Updated by	Update Comments
0.1	2023.03.31	Most Masnat Marufi	First Draft
0.2	2023.04.08	Md Ashraful Hossain Alif	Second Draft
0.3	2023.04.11	Most Masnat Marufi	Third Draft
0.4	2023.04.20	Mst Sharmina Akter Bithi	Fourth Draft
0.5	2023.04.29	Mst Sharmina Akter Bithi	Fifth Draft
0.6	2023.05.01	Md Ashraful Hossain Alif	Sixth Draft

### 1. TEST PLAN IDENTIFIER:RS-MTP01.3

### 2. REFERENCES

- Software Requirement Specification (SRS) Document:  
<https://github.com/Alif15608/SQT-Project>
- Git Reference:  
<https://github.com/Alif15608/WebTechnologies/tree/main/ProjectDH>

### 3. INTRODUCTION

#### Background to the Problem

Dream House is a property management system. A property management system (PMS) is a software application designed specifically for the management of real estate properties. It is typically used by property managers, landlords, and real estate agents to streamline their business operations, track financials, and manage tenant interactions. One unique feature of a PMS is its ability to centralize property data and automate many tasks that were once done manually. For example, a PMS can track lease agreements, rent payments, and maintenance requests all in one place, making it easy for property managers to quickly access the information they need. Some PMS systems also offer integrations with other software applications,

such as accounting software and marketing tools, further streamlining the property management process. Overall, a PMS is a comprehensive tool that can help property managers and landlords save time, increase efficiency, and improve the overall management of their properties.

## Solution to the Problem

A property management system (PMS) provides a comprehensive solution for managing real estate properties. It centralizes property data, automates many tasks, offers real-time reporting, and integrates with other software applications. A PMS can help property managers and landlords save time, increase efficiency, and improve the overall management of their properties.

## 4. REQUIREMENT SPECIFICATION

### 4.1 System Features

#### 4.1.1 User Login

##### Functional Requirements

- The software shall allow users to login with their given username and password
- If the username and/or password has been inserted wrong for more than three times, the random verification code will be generated by the system to retry login.
- If the number of login attempt exceed its limit (5 times), the system shall block the user account login for one hour *[optional function]*

Priority Level: High

Precondition: user have valid user id and password

#### 4.1.2 User registration

##### Functional Requirements

- The software shall allow users to registration with their given Role, first name, last name, email, address, nid, driving license, date of birth, phone number and password.
- User name, Phone Number and Email will be check for registration. There will be no duplicate Email, Phone number and username.

Priority Level: High

#### 4.1.3 View All List

## Functional Requirements

- The software shall allow users to view all the list of the item and customers.

Priority Level: Medium

Precondition: user must be logged in

### **4.1.4 Search option**

## Functional Requirements

- The software shall allow users to search other users and all the items.
- User can search a single item or as a group.

Priority Level: High

Precondition: user must be logged in

### **4.1.5 Request Option**

## Functional Requirements

- The software shall allow admin to approve or decline the request of users.

Priority Level: High

Precondition: user must be logged in

### **4.1.6 Query**

## Functional Requirements

- The software shall allow users to ask about a item to know more information about it.

Priority Level: Medium

Precondition: user must be logged in

### **4.1.7 Profile Setting**

## Functional Requirements

- The software shall allow users to edit their own profile.
- This term must be done very carefully because user's all personal information are kept there.

Priority Level: High

Precondition: user have valid user id and password

#### **4.1.8 Post Added**

Functional Requirements

- The software shall allow users to post their product in dashboard.

Priority Level: Medium

Precondition: user must be logged in

#### **4.1.9 Logout**

Functional Requirements

- The software shall allow users to log out from the site.

Priority Level: High

Precondition: user must be logged in

#### **4.1.10 Link Check**

Functional Requirements

- The software shall allow users to access all that are visible in their page.

Priority Level: Medium

#### **4.1.11 Home Page**

Functional Requirements

- The software shall allow users to view the same home page.

Priority Level: High

#### **4.1.12 Help Session**

Functional Requirements

- The software shall allow users to get help from the tech expert.
- This part needs to be very active and helpful.

Priority Level: High

#### **4.1.13 Comment**

##### Functional Requirements

- The software shall allow users to comment in post.

Priority Level: Medium

Precondition: user must be logged in

#### **4.1.14 Chat**

##### Functional Requirements

- The software shall allow users to chat with the expert and also with the property owner.

Priority Level: Medium

Precondition: user must be logged in

#### **4.1.15 Change Password**

##### Functional Requirements

- The software shall allow users to change their password.
- This is the security and this needs to be very strong.

Priority Level: High

Precondition: user have valid user id and password

#### **4.1.16 Adds Browsing**

##### Functional Requirements

- The software shall allow users to click on the adds and redirect to the product.

Priority Level: Low



## 4.2 System Quality Attributes

### Reliability

- In a technological environment, the data communication protocol must maintain the reliability and quality of data and voice transmission.
- The memory system must be non-volatile, for example, CDMA/GSM.

### Availability

- In the event of a communication problem, the system will be shut down;
- In the event of a communication problem, the system will be shut down;
- The system must be manually restarted by maintenance employees or the director of management after an untrustworthy shutdown.
- No inconsistency in the account should be introduced throughout the system's booking
- The system/booking system will be shut down as a result of this.


### Security

- The system must comply with AIMS security requirements.
- The system must have two levels of security, one for login verification and the other for code verification, both of which are authenticated by the CMS software.
- During code transmission, the encryption standard must be triple DES.
- The password should be between six and ten characters long.
- Customer names should not be included in passwords because they are easily compromised.
- Numbers, hyphens, and underscores can all be used in passwords.
- The user should be given only three attempts to log in, after which his booking should be canceled.
- Every room will have a security camera put near it.

## 4.3 System Interface

Dream House!

LoginSign Up



News and events


- A combination of political will and capacity building could change the game for the better
- he prices of flats have started to rise in Dhaka, ending a three-year stagnation after easing of Covid-19 fallout
- Today is my project submission
  - Day
  - Alif
  - Alif Khan
  - Alif Khan

Welcome to Dream House

- About Us

Copyright ©2023 Dream House!  
Company Address :  
Bashundhara, Block-C, Road-07  
Baridhara, Dhaka

1 / 3



Sell Your Property

Figure: Home Page



[Login](#) | [Home](#)

SignIn

Username :

Password :

☐ Remember me

Login

[Need to registration?](#)

- About Us

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Company Address :  
Bashundhara, Block-C, Road-07  
Baridhara, Dhaka

Figure: Login Page



### Registration

First Name :  \*  
Last Name :  \*  
Gender : ☐ Male ☐ Female ☐ Others \*  
Date of Birth :  /  /  \*  
Religion :  \*  
Present Address :  \*  
Permanent Address :  \*  
Phone No. :  \*  
Email :  \*

### Credential

Username :  \*  
Password :  \*  
Confirm Password :  \*

[Join as a Seller?](#)

• [About Us](#)

Figure: Sign Up



[Change Password](#) | [Logout](#)

Admin Panel

- [Dashboard](#)
- [Profile](#)
- [Seller](#)
- [Manager](#)
- [Buyer](#)
- [Appartment](#)
- [News and Events](#)
- [Help Session](#)

### Dashboard


#### Dream House!

Seller	Manager	Buyer	Apartment
8	3	5	4
Seller	Dipon Biswas 123		
	Athoy Roy		
	Nusrat Nisha		
	Maria Binte		
	Ahsan Sumon		
	Afsana Binte		
	Ahsan Habib		
		Reyad Hasan	

• [About Us](#)

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Company Address :  
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Baridhara, Dhaka

Figure: Dashboard


[Change Password](#) | [Logout](#)

Admin Panel

- Dashboard
- Profile
- Seller
- Manager
- Buyer
- Appartment
- News and Events
- Help Session

Seller

Seller Information

Search Seller

Seller ID	Name	Gender	Date of Birth	Email	Phone No	Username	Action
101-2	<a href="#">Dipon Biswas 123</a>	Male	1995-10-10	dipon@gmail.com	01834567898	bappi	<a href="#">Edit</a> <a href="#">Delete</a>
101-3	<a href="#">Athov Roy</a>	Male	2000-06-15	athoyroy@gmail.com	01956394373	athoy	<a href="#">Edit</a> <a href="#">Delete</a>
101-4	<a href="#">Nusrat Nisha</a>	female	2000-06-07	nisha@gmail.com	01956394355	nisha	<a href="#">Edit</a> <a href="#">Delete</a>
101-5	<a href="#">Maria Binte</a>	Female	2000-06-07	maria@gmail.com	01956394355	maria	<a href="#">Edit</a> <a href="#">Delete</a>
101-8	<a href="#">Ahsan Sumon</a>	Male	2000-06-07	sumon@gmail.com	01956394355	sumon	<a href="#">Edit</a> <a href="#">Delete</a>
101-9	<a href="#">Afsana Binte</a>	Female	2000-06-07	afsana@gmail.com	01956394355	afsana	<a href="#">Edit</a> <a href="#">Delete</a>
101-10	<a href="#">Ahsan Habib</a>	Male	2000-06-07	ahsan@gmail.com	01956394355	ahsan	<a href="#">Edit</a> <a href="#">Delete</a>
101-12	<a href="#">Reyad Hasan</a>	Male	2000-06-07	reyad@gmail.com	01956394355	reyad	<a href="#">Edit</a> <a href="#">Delete</a>

[Add a Seller](#) | [Seller Requests](#)

Figure: Search


[Change Password](#) | [Logout](#)

Admin Panel

- Dashboard
- Profile
- Seller
- Manager
- Buyer
- Appartment
- News and Events
- Help Session

News And Events

Write a News or Events:

[See all](#)

- [About Us](#)

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 Company Address :  
 Bashundhara, Block-C, Road-07  
 Baridhara, Dhaka

Figure: Post Added

## 4.4 Project Requirements

- ☐ Time: 4 Months (Estimated)
- ☐ Budget of 4 Lac (Estimated) BDT ➤ Need team of 04 members.
- ☐ Members should have technical knowledge

- A space for collaboration.
- Dedicated IDE for development

## 5. FEATURES NOT TO BE TESTED

The following is a list of the areas that will not be specifically addressed. All testing in these areas will be indirect as a result of other testing efforts. For example:

- o PC based spreadsheet analysis applications using Reassigned Sales data. Because these applications are completely under the control of the customer and are outside the scope of this project. The necessary data base format information will be provided to the customers to allow them to extract data. Testing of their applications is the responsibility of the application maintainer/developer.

## 6. TESTING APPROACH

### 6.1 Testing Levels

- To determine the appropriate testing level of Selenium for a property management system (PMS), it is important to consider the scope and complexity of the PMS, as well as the level of quality and risk required for the system.
- At a minimum, functional testing should be performed using Selenium to ensure that the PMS meets the requirements and specifications provided by the stakeholders. This can include testing the user interface, data input and output, and various functions and features of the PMS.
- In addition to functional testing, other testing levels may be necessary depending on the complexity of the PMS and the level of risk associated with its use. These can include integration testing, performance testing, and security testing, among others.
- Overall, the testing level of Selenium for a PMS should be determined based on a thorough analysis of the system's requirements, risks, and quality standards, and should be tailored to ensure that the PMS meets the needs of its stakeholders and users.

## 6.2 Test Tools

At the industry level, there are a number of different test tools that can be used to test a 'Donate Money for Needy People' software application. Some examples of these tools include:

- a) Automated testing tools: These tools can be used to automate the testing process, allowing developers to quickly and efficiently test the software.
- b) Load testing tools: These tools can be used to simulate high levels of usage on the software, to ensure that it can handle large amounts of data and traffic without crashing or experiencing other issues.
- c) Security testing tools: These tools can be used to test the security of the software, to ensure that it is protected against potential threats and vulnerabilities.
- d) User experience testing tools: These tools can be used to test the user experience of the software, to ensure that it is intuitive and easy to use.

Overall, the use of test tools is an essential part of the software development process, as they help developers to ensure that the software is functioning properly and meets the necessary requirements.

At the industry level, there are many different software applications that can be used to test a 'Donate Money for Needy People' software application. Some common examples of testing software that may be used in this context include:

- a) Selenium: This is an open-source automated testing tool that is commonly used for web application testing.
- b) JMeter: This is a performance testing tool that can be used to assess the performance of a software application under different load conditions.
- c) Burp Suite: This is a security testing tool that is commonly used to test the security of web applications.
- d) User Zoom: This is a user experience testing tool that can be used to assess the usability, accessibility, and overall user satisfaction with a software application.
- e) Postman: This is a popular software tool that is used for testing and developing APIs (Application Programming Interfaces). It allows users to create, test, and share APIs, as well as collaborate with others on API development.
- f) Microsoft Project: This is a powerful bug tracking and project management tool that is widely used in the software industry. It provides a range of features and capabilities, including the ability to create and manage issues, track progress, and integrate with other tools and platforms.

Overall, there are many different software applications that can be used to test a 'Donate Money for Needy People' software application at the industry level. The specific tools that are used may vary depending on the specific needs and goals of the project.

## 6.3 Meetings

A software testing meeting is a meeting where individuals involved in the testing of a software application come together to discuss the progress of the testing, any issues that have been identified, and any necessary next steps. This may include discussing the results of the testing, identifying any defects or flaws in the software, and determining how to address these issues. The goal of the meeting is to ensure that the software is functioning properly and meets all of the necessary requirements before it is released to the public. During the software testing meeting, attendees may include the project manager, senior test engineer (test lead), junior test engineer, testing manager, and database analyst, among others. These individuals may provide updates on the testing process, discuss any issues that have been identified, and provide input on how to address these issues. The meeting may also involve reviewing and discussing test results, as well as discussing any necessary changes or modifications to the software. Overall, a software testing meeting is an important part of the software development process, as it allows individuals involved in the testing to come together and collaborate on ensuring the success of the project.

## 7. TEST CASES/TEST ITEMS

Project Name: Dream House		Test Designed by: Mst Sharmin Akter Bithi		
Test Case ID: DH_101		Test Designed date: 16/04/2023		
Test Priority (Low, Medium, High): High		Test Executed by: Md Ashraful Hossain Alif		
Module Name: User Registration		Test Execution date: 26/04/2022		
Test Title: Fill up registration form				
Description: Test registration form by giving input to all the fields and must give unique username, email and phone number.				
Precondition (If any):				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to Registration Page  2. Complete all Input fields.  3.Click Register button	(First name, Last Name, Username, Email, Date of Birth, Gender, Phone number, Address, Password, Religion)	Registration Successful and Redirect to Login page	As expected,	Pass

Post Condition: User data will go to database and redirect to login page

Project Name: Dream House		Test Designed by: Mst Sharmin Akter Bithi		
Test Case ID: DH_102		Test Designed date: 16/04/2023		
Test Priority (Low, Medium, High): High		Test Executed by: Most Masnat Marufi		
Module Name: User Login		Test Execution date: 26/04/2023		
Test Title: Fill up login form				
Description: Test login form by giving input to unique username and password.				
Precondition (If any): user must register				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to Login Page  2. Complete all Input fields.  3.Click Login button	User name: admin Password: admin123	Login Successful and Redirect to Home page	As expected,	Pass
Post Condition: User data will go to database and redirect to home page				

Project Name: Dream House	Test Designed by: Mst Sharmin Akter Bithi
Test Case ID: DH_103	Test Designed date: 18/04/2023
Test Priority (Low, Medium, High): High	Test Executed by: Mst Sharmin Akter Bithi
Module Name: Add Seller	Test Execution date: 27/04/2023
Test Title: Add Seller to list	



Description: Test add seller admin need to give all the details that are asked.				
Precondition (If any): user must log in				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to Add Seller Page  2. Complete all Input fields.  3. Click Submit button	(First name, Last Name, Username, Email, Date of Birth, Gender, Phone number, Address, Password)	Add Successful and Redirect to Seller page	As expected,	Pass
Post Condition: User data will go to database and redirect to seller page				

Project Name: Dream House		Test Designed by: Md Ashraful Hossain Alif		
Test Case ID: DH_104		Test Designed date: 18/04/2023		
Test Priority (Low, Medium, High): Medium		Test Executed by Md Ashraful Hossain Alif		
Module Name: Post Added		Test Execution date: 27/04/2023		
Test Title: Post comment				
Description: Test post added form by giving required format input				
Precondition (If any): User must login				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Click News and Event  2. Complete the field with valid data.  3.Click Post button	Write something in the comment section	Uploaded Successfully	As expected,	Pass

Post Condition: User is validated with database and successfully login to account. The account session details are logged in the database.

Project Name: Dream House			Test Designed by: Md Ashraful Hossain Alif	
Test Case ID: DH_105			Test Designed date: 18/04/2023	
Test Priority (Low, Medium, High): High			Test Executed by: Md Ashraful Hossain Alif	
Module Name: Edit Profile			Test Execution date: 27/04/2023	
Test Title: Update user profile				
Description: Test edit user profile information				
Precondition (If any): User must login				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Click Profile navbar.  2. Edit the field with valid data.  3.Click Update button	Enter phone Number	Updated Successfully	As expected,	Pass
Post Condition: User is validated with database and successfully login to account. The account session details are logged in the database.				

Project Name: Dream House	Test Designed by: Mst Sharmin Aktter Bithi
Test Case ID: DH_106	Test Designed date: 18/04/2023
Test Priority (Low, Medium, High): High	Test Executed by: Most Masnat Marufi
Module Name: Logout	Test Execution date: 28/04/2023
Test Title: logout from user profile	
Description: Test logout from system	

Precondition (If any): User(Renter) must login				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Click logout button at top of navbar.		Logged out	As expected	Pass
Post Condition: User is validated with database and successfully login to account. The account session details are logged in the database.				

Project Name: Dream House			Test Designed by: Md Ashraful Hossain Alif	
Test Case ID: DH_106			Test Designed date: 18/04/2023	
Test Priority (Low, Medium, High): High			Test Executed by: Most Masnat Marufi	
Module Name: Request Approval			Test Execution date: 28/04/2023	
Test Title: Approve a seller request				
Description: approve seller from request				
Precondition (If any): User must login				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Click Seller navbar  2. Click Seller Request button  3.Click Accept or decline button.	Accept	Accept	Not as expected	Fail
Post Condition: User is validated with database and successfully login to account. The account session details are logged in the database.				

## 8. ITEM PASS/ FAIL CRITERIA

The test process will be completed once the initial set of distributors have successfully sent in reassigned sales data for a period of one month and the new EDI data balances with the old ZIP/FAX data received in parallel. When the sales administration staff is satisfied that the data is correct the initial set of distributors will be set to active and all parallel stopped for those accounts.

Log	Reference
11. type on id=phone with value 01230070070	OK
12. click on id=email	OK
13. type on id=email with value nipa@gmail.com	OK
14. click on id=user	OK
15. type on id=user with value nipa	OK
16. click on id=pass	OK
17. type on id=pass with value 123	OK
18. click on id=conpass	OK
19. type on id=conpass with value 123	OK
20. click on name=submit	OK
<b>'Add Button Testing' completed successfully</b>	
<b>Running 'Chat'</b>	
1. open on http://localhost:8081/Project1/View/dashboard.php	OK
2. setWindowSize on 1074x816	OK
3. click on linkText=Helpline	OK
4. click on linkText=Chat with admin	OK
5. click on name=chat	OK
6. type on name=chat with value Hi are you there?	OK
7. click on name=chatsubmit	OK
<b>'Chat' completed successfully</b>	
<b>Running 'Edit Option Testing'</b>	
1. open on http://localhost:8081/ProjectDH/View/Dashboard.php	OK
2. setWindowSize on 1078x816	OK
3. click on css=li:nth-child(3) b	OK
4. click on linkText=Edit	OK
5. click on id=name	OK
6. type on id=name with value Dipon Biswas 123	OK
7. click on name=submit	OK
<b>'Edit Option Testing' completed successfully</b>	

### Running 'Login'

1. open on http://localhost:8081/ProjectDH/Home.php OK
2. setWindowSize on 1074x816 OK
3. click on css=.button1 OK
4. click on id=user OK
5. type on id=user with value admin OK
6. click on id=pass OK
7. type on id=pass with value admin124 OK
8. click on name=login OK

**'Login' completed successfully**

---

### Running 'Post Added'

1. open on http://localhost:8081/ProjectDH/View/Dashboard.php OK
2. setWindowSize on 1074x816 OK
3. click on css=li:nth-child(7) b OK
4. click on id=news OK
5. type on id=news with value Alif Khan OK
6. click on name=submit OK

**'Post Added' completed successfully**

---

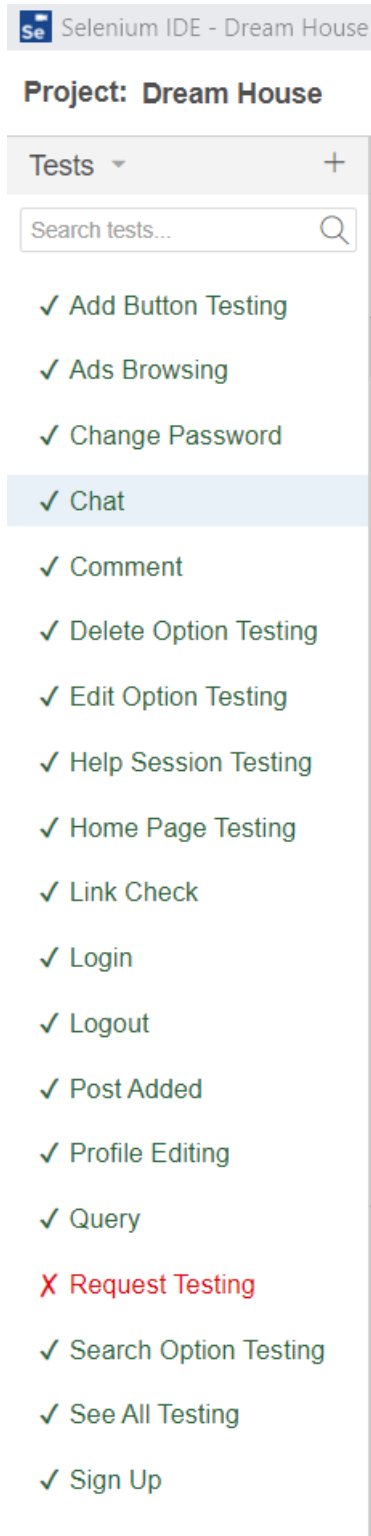
### Running 'Request Testing'

1. Trying to find css=li:nth-child(3) b... **Failed:**  
Implicit Wait timed out after 30000ms

**'Request Testing' ended with 1 error(s)**

Log	Reference
<b>Running Search Option testing</b>	
1. open on http://localhost:8081/ProjectDH/View/Dashboard.php	OK
2. setWindowSize on 1074x816	OK
3. click on css=li:nth-child(3) b	OK
4. click on id=search	OK
5. type on id=search with value Maria	OK
6. click on name=submit	OK
7. click on id=search	OK
8. type on id=search with value Dipon	OK
9. click on name=submit	OK
<b>'Search Option Testing' completed successfully</b>	

Log	Reference
18. type on id=phone with value 01700077404	OK
19. click on id=email	OK
20. type on id=email with value alifkhan6475@gmail.com	OK
21. click on id=user	OK
22. type on id=user with value alif156	OK
23. click on id=pass	OK
24. type on id=pass with value 1234	OK
25. click on id=conpass	OK
26. type on id=conpass with value 1234	OK
27. click on name=submit	OK
<b>'Sign Up' completed successfully</b>	



## 9. TEST DELIVERABLES

- Acceptance test plan

- System/Integration test plan
- Unit test plans/turnover documentation
- Screen prototypes
- Report mock-ups
- Defect/Incident reports and summaries
- Test logs and turnover reports

## 10. STAFFING AND TRAINING NEEDS

The importance of skilled personnel and teams in the construction and delivery of a project cannot be overstated. A team of skilled professionals is required to perform this job properly. Because the project can be finished on budget and on schedule with skilled workers and staff; otherwise, a lack of skilled workers can make it difficult to complete the project on time. As a result, it should be thoroughly tested to ensure that the personnel and workers are qualified for the project. To develop and ensure that various skill-based training sessions can be scheduled. Project manager, senior test engineer (test lead), junior test engineer, testing manager, database analyst and other professionals make up the team. If a senior test engineer is unavailable for a period of time, the project manager can take over or replace the junior engineer with someone who has the necessary abilities.

## 11. RESPONSIBILITIES

	Team Manager	Project Manager	Development Team	Test Team	Client
Acceptance test plan					
Integration test plan	✓		✓	✓	
Unit test plans					
Screen prototypes					
Report mock-ups			✓	✓	✓
			✓		✓
			✓	✓	✓
			✓	✓	✓
			✓	✓	✓
			✓	✓	✓
				✓	✓
Defect/Incident reports and summaries					



Test logs and turnover reports					
Screen & Report prototype reviews					
Change control and regression testing					

## 12. TESTING SCHEDULE

Time has been allocated within the project plan for the following testing activities. The specific dates and times for each activity are defined in the project plan timeline. The persons required for each process are detailed in the project timeline and plan as well. Coordination of the personnel required for each task, test team, development team, management and customer will be handled by the project manager in conjunction with the development and test team leaders. Schedule must be done using any PM tool.

	Week 1-4	Week 4-5	Week 5-6	Week 6-9	Week 9-10	Week 10-12
Development						
Documentation						
Testing						
Test Plan						
Unit Testing						
Integration Testing						
System Testing						
Acceptance Testing						
Project Completion						
Feedback						

### 13. PLANNING RISK AND CONTINGENCIES

Risk	Category	Probability	Impact
1) In accurate Estimations	PS	60%	2
2) Scope Variations	PS	40%	3
3) End-user Engagement	BU	70%	2
4) Stakeholder Expectations	CU	20%	1
5) Poor Quality Code	DE	50%	3
6) Poor Productivity	PR	30%	3
7) Requirement Inflation	PS	70%	2
8) In adequate Risk Management	PS	30%	2
9) Low Stakeholder Engagement	CU	20%	1
10) In adequate Human Resources	ST	60%	3
11) Lack of Ownership	CU	20%	1
12) Specification Breakdown	PS	40%	3
13) Employee Turnover	ST	60%	2
14) In accurate Estimations	PS	55%	2
.....	.....	.....	.....
.....	.....	.....	.....

Impact values

1. Catastrophic.
2. Critical.
3. Marginal.
4. Negligible.

Risks can have a big impact on a software development project's success. For instance, risks connected to the timetable can result in delays, which can increase project costs and even generate client displeasure. Inaccurate cost estimates can also result in cost-related hazards, which can have an adverse effect on the project's overall success and cause financial problems.

The success of a project can also be adversely affected by technical debt, which is brought on by subpar code. Other developers may find it challenging to read and comprehend this kind of code, which may make it challenging for them to maintain or modify the code. Additionally, rushed or improperly tested code may include a significant number of errors that degrade overall functionality of the software.

Effective communication with stakeholders is also crucial for the success of a software development project. If stakeholders are not engaged and do not provide feedback and input in a timely manner, it can hinder the progress of the project and impact its overall success.

In order to mitigate these risks and ensure the success of a software development project, it is important to have a thorough understanding of the potential risks and take steps to address them. This can involve conducting thorough testing,

engaging with stakeholders effectively, and implementing risk management strategies to minimize the potential impact of risks on the project.

#### 14. APPROVALS

Project Manager	Md Ashraful Hossain Alif
Developer	Md Ashraful Hossain Alif
Test Lead	Most Masnat Marufi
Test Planner	Mst Sharmin Akter Bithi
Tester	Md Ashraful Hossain Alif Most Masnat Marufi Mst Sharmin Akter Bithi
End User	Atanu Das Athoy Kanti Roy Kamrul Hasan Koche